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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known			
Application Number	09/691,405		
Filing Date	October 17, 2000		
First Named Inventor	Steven R. BINDER et al.		
Art Unit	1631		
Examiner Name	Allen, Marianne P.		
Sheet	1	of	4	Attorney Docket Number	02558B-063700US

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U.S. PATENT DOCUMENTS

Examiner	Cite No.[1]	Document Number — Number Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MPA	1	US-6,024,705	02-15-2000	Schlager et al.	
⟨initials⟩	2	US-6,031,232	02-29-2000	Cohenford et al.	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]	Number[4]	Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

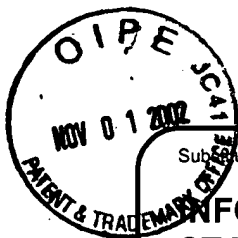## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
not publication that is citable	3	~~ASSADI, A. "A basic introduction to pattern recognition," at <<http://www.lomg.wisc.edu/bioCVG/courses/math091-f2001/courseware/patternRecog_Intro_Reading.pdf>> visited on September 24, 2002~~	
MPA	4	BEGLEY, R.J. et al. "Adding intelligence to medical devices," *Medical Device & Diagnostic Industry* March 2000, pp. 150-173.	
	5	BOYD, J.C. et al. "Effect of atypical antibiotic resistance on microorganism identification by pattern recognition," *J. of Clinical Microbiology* December 1978, pp. 689-694, Vol. 8, No. 6.	
	6	CABELLO, D. et al. "Fuzzy K-nearest neighbor classifiers for ventricular arrhythmia detection," *Int. J. Biomed. Comput.* 1991, pp. 77-93, Vol. 27.	
	7	CASTELLI, V. and BRODIE, M. "EE 6880 special topics in signal processing statistical pattern recognition," at <<http://www.ee.columbia.edu/academics/CastelBrodiecourse description.pdf>> visited on September 24, 2002, 1 page total.	
	8	DeJESUS, E.X. "Tech Update-Achieving expert ease: expert systems can speed work, answer questions and offer guidance in all areas of healthcare," *Healthcare Informatics* January 2000, pp. 55-60.	

Examiner Signature	*MPAllen*	Date Considered	1/24/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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MPA	9	ESSEX, D. "Artificial Intelligence-Long-awaitied technology eases into healthcare, may stimulate e-business," *Healthcare Informatics* February 2000, pp. 74-76.	
MPA	10	GLICKMAN, S.E. et al. Rapid identification of mycolic acid patterns of myobacteria by high-performance liquid chromatography using pattern recognition software and a *mycobacterium* library," *J. of Clin. Microbiology* March 1994, pp. 740-745, Vol. 32, No. 3.	
not citable publication	11	~~GRAFENSTEIN, H.V. "Phar 441 Immunology: lecture 10-autoimmune diseases," Autoimmune diseases at <<http://www-hsc.usc.edu/~grafen/teaching/lectures8.htm>> visited on August 28, 2000, 9 pages total.~~	
MPA	12	HUANG, H. and ANTONELLI, P. "Application of principal component analysis to high-resolution infrared measurement compression and retrieval," *J. of Applied Meteorology* March 2001, pp. 365-388, Vol. 40.	
(initial)	13	IVANDIC, M. et al. "The use of knowledge-based systems to improve medical knowledge about urine analysis," *Clinica Chimica Acta* 2000, pp. 251-260, Vol. 297.	
not citable publication	14	~~MELLORS, R.C. "Immunopathology," at <<http://edcenter.med.cornell.edu/CUMC_PathNotes/Immunopathology/Immunopathology.html>> visited on September 28, 2000, 42 pages total.~~	
MPA	15	MOENS, H.J.B. and Van der KORST, J.K. "Computer-assisted diagnosis of rheumatic disorders," *Seminars in Arthritis and Rheumatism* December 1991, pp. 156-169, Vol. 21, No. 3.	
not citable publication	16	~~NIAID publications "Understanding autoimmune disease-how are autoimmune diseases treated?" at <<http://www.niaid.nih.gov/publications/autoimmune/treated.htm>> visited on August 28, 2000, 2 pages total.~~	
(initial)	17	~~NIAID publications "Understanding autoimmune disease-how are autoimmune diseases diagnosed?" at <<http://www.niaid.nih.gov/publications/autoimmune/diagnosed.htm>> visited on August 28, 2000, 1 page total.~~	

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	18	NIAID publications "Understanding autoimmune disease-how does the immune system work?" at <<*http://www.niaid.nih.gov/publications/autoimmune/work.htm*>> visited on August 28, 2000, 6 pages total.	
	19	NIAID publications "Understanding autoimmune disease-what are autoimmune diseases?" at <<*http://www.niaid.nih.gov/publications/autoimmune/what.htm*>> visited on August 28, 2000, 1 page total.	
	20	NIAID publications "Understanding autoimmune disease-what are some examples of autoimmune diseases?" at <<*http://www.niaid.nih.gov/publications/autoimmune/examples.htm*>> visited on August 28, 2000, 4 pages total.	
	21	NIAID publications "Understanding autoimmune disease-what are the causes of autoimmune diseases?" at <<*http://www.niaid.nih.gov/publications/autoimmune/causes.htm*>> visited on August 28, 2000, 2 pages total.	
	22	NIAID publications "Understanding autoimmune disease-who is affected by autoimmune diseases?" at <<*http://www.niaid.nih.gov/publications/autoimmune/who.htm*>> visited on August 28, 2000, 1 page total.	
	23	Principal component analysis "Principal component analysis," at <<*http://www.cis.hut.fi/~aapo/papers/NCS99web/node5.html.*>> visited on September 24, 2002, 2 pages total.	
mPA	24	SMITH, B.J. and McNEELY, M.D.D. "The influence of an expert system for test odering and interpretation on laboratory investigations," *Clinical Chem.* 1999, pp. 1168-1175, Vol. 45, No. 8.	
	25	~~TOBIN, K.W. et al. "Adaption of the fuzzy k-nearest neighbor classifier for manufacturing automation," at http://www-ismv.ic.ornl.gov/publications/kwt_spie98.pdf>> visited on September 24, 2002.~~	
mPA	26	TRENDELENBURG, C. et al. "Knowledge-based test result interpretation in laboratory medicine," *Clinica Chimica Acta* 1998, pp. 229-242, Vol. 278.	

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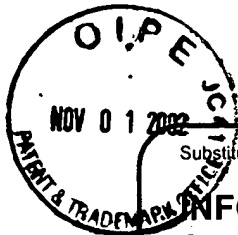| Examiner Signature	~~mr aller~~	Date Considered	1/24/03

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Sheet	4	of	4	Attorney Docket Number	02558B-063700US

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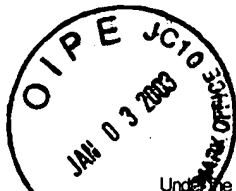| Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
(not a publication)	27	Van OOYEN, A. "Theoretical aspects of pattern analysis: a simple introduction to principal component and cluster analysis," at <<http://www.anc.ed.ac.uk/~arjen/papers/cluster_abstract.html>> visited on September 24, 2002, 2 pages total.	

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m//	1	US-5,674,688	10-07-1997	Kauvar et al.	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3]	Number[4]	Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
mPA	2	PCT	WO 96/12187	A1	04-25-1996			☐

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Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
mPA	3	PETROVEČKI, M. et al. "An algorithm for leukaemia immunophenotype pattern recognition," *Med. Inform.* 1993, pp. 11-21, Vol. 18, No. 1.	
√	4	THOMPSON, D. et al. "THe clinical significance of autoantibody profiles in patients with systemic lupus erythematosus," *Lupus* 1993, pp. 15-19, Vol. 2.	

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